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wherein the medium includes fields for specifying an identification of the machine, an address of the machine, and user-profile information for use in determining a type of content to transmit to the machine, the user-profile information being specified in an hierarchical attribute value pair data structure, the hierarchical attribute value pair data structure further comprising a data structure wherein the attribute value pair is independent of the hierarchical structure.

11. A method for compiling and maintaining information for use in routing and transmitting content to a machine via a network by specifying particular fields within a computer-readable medium, comprising:

receiving information for use in generating a user profile;

specifying in the medium, using the information, an identification of a machine, an address of the machine, and user-profile information for use in determining a type of content to transmit to the machine; and

storing the user-profile information in an hierarchical attribute value pair data structure, the hierarchical attribute value pair data structure further comprising a data structure wherein the attribute value pair is independent of the hierarchical structure.

26. A method of accessing information for use in routing and transmitting content to a machine via a network, comprising:

establishing a network connection from a machine;

accessing via the network connection an hierarchical attribute value pair data structure stored in a computer-readable medium, the hierarchical attribute value pair data structure further

comprising a data structure wherein the attribute value pair is independent of the hierarchical structure; and

transmitting information via the network connection for specifying in the data structure an identification of the machine, an address of the machine, and user-profile information for use in determining a type of content to transmit to the machine.

32. An apparatus for accessing information for use in routing and transmitting content to a machine via a network, comprising:

a network module for establishing a network connection from a machine;

an access module for accessing via the network connection an hierarchical attribute value pair data structure stored in a computer-readable medium, the hierarchical attribute value pair data structure further comprising a data structure wherein the attribute value pair is independent of the hierarchical structure; and

a transmit module for transmitting information via the network connection for specifying in the data structure an identification of the machine, an address of the machine, and user-profile information for use in determining a type of content to transmit to the machine.

82. An apparatus for compiling and maintaining information for use in routing and transmitting content to a machine via a network:

a means for receiving information for use in generating a user profile;

a means for specifying in the medium, based on the information received, a machine, an address associated with the machine, and user-profile information for use in determining a type of content to transmit to the machine; and

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a means for storing the user-profile information in an hierarchical attribute value pair data structure, the hierarchical attribute value pair data structure further comprising a data structure wherein the attribute value pair is independent of the hierarchical structure.

106. A computer-readable medium containing programming instructions for controlling a computer system which routes and transmits content to a machine via a network, by:

receiving information for use in generating a user profile;

specifying, using the information, an identification of a machine, an address of the machine, and user-profile information for use in determining a type of content to transmit to the machine; and

storing the user-profile information in an hierarchical attribute value pair data structure, the hierarchical attribute value pair data structure further comprising a data structure wherein the attribute value pair is independent of the hierarchical structure.

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130. A computer-readable medium containing programming instructions which control a computer system, the computer system being used to route and transmit content to a machine via a network, by:

establishing a network connection to a machine;

accessing via the network, a hierarchical attribute value pair data structure, the hierarchical attribute value pair data structure further comprising a data structure wherein the attribute value pair is independent of the hierarchical structure; and

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transmitting information, via the network connection, which specifies an identification of the machine in the data structure, an address of the machine, and user-profile information for use in determining a type of content to transmit to the machine.

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136. An apparatus for accessing information for use in routing and transmitting content to a machine via a network, comprising:

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- a means for establishing a network connection to a machine;
- a means for accessing, via the network connection, a hierarchical attribute value pair data structure stored in a computer-readable medium, the hierarchical attribute value pair data structure further comprising a data structure wherein the attribute value pair is independent of the hierarchical structure; and
- a means for transmitting information via the network, wherein the information is specified in the data structure and includes an address of the machine and user-profile information; wherein the user-profile information is used to determine a type of content to transmit to the machine.

#### REMARKS

Claims 1-141 are pending in the application. Applicants have amended independent claims 1, 11, 26, 32, 82, 106, 130, and 136. No new matter has been added.

#### Request for Withdrawal of Final Rejection

Applicants have enclosed a request under MPEP § 706.07(c) for withdrawal of the final rejection as being premature. As described in the enclosed request, the Examiner has imposed a new ground of rejection that was neither necessitated by Applicants' amendment nor based on information submitted in an information disclosure statement filed during the period set forth in 37 CFR § 1.97(c) with the fee set forth in 37 CFR § 1.17(p). See MPEP § 706.07(a). Applicants